

Measuring device for testing the dielectric properties of biological tissues

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Abstract of DE3637549

Device for testing the dielectric properties of biological materials and changes in these properties, characterised in that microwaves in the range from 10 GHz to about 100 GHz are radiated on to the test field. By measuring a defined part of the reflected energy conclusions are drawn about the absorbed energy and thus about the dielectric properties of the test material. The invention describes how the device is employed for measuring changes in the surfaces of organs and how it serves to measure the intraocular pressure. Moreover, it can be employed for flow measurements in blood vessels.

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